

Notice of Allowability

Application No.

10/613,427

Examiner

Tuan T. Lam

Applicant(s)

ELIASON, JARROD

Art Unit

2816

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 11/19/2004.
2. ☒ The allowed claim(s) is/are 81-179.
3. ☒ The drawings filed on 8/31/2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


TUAN T. LAM
PRIMARY EXAMINER

Art Unit: 2816

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The following changes have been made to the subject application:

Specification:

Page 1, line 4, after "2002," -- now USP 6,650,158,-- has been inserted.

Claim 81:

Line 8, "the output" has been changed to --the Q output--.

Claims 88, 95, 102, 109, 117, 124, 131, 138, 145, 153, 162 and 171:

Line 7, "the output" has been changed to --the Q output--.

The changes have been to update the information on the US application 10/076,058 and to provide proper antecedent basis for the term "the Q output" and to place the application in a condition for allowance.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance: the amendment filed 11/19/2004 has overcome the technical deficiencies and the prior art of record. The prior art of record fails to teach or fairly suggest first ferroelectric capacitor coupled between the Q output and ground, a second ferroelectric capacitor coupled between the complementary Q output and ground, and a third capacitor coupled between the Q and complementary Q outputs as called for in claims 81 and 117, first ferroelectric capacitor coupled between the Q output and ground, a second ferroelectric capacitor coupled between the complementary Q output and ground, and

Art Unit: 2816

third and fourth serially coupled matched ferroelectric capacitors coupled between the Q and complementary Q outputs as called for in claims 88 and 124, means for selectively coupling the ferroelectric capacitor circuit to the Q and complementary Q outputs as called for in claims 95 and 131, a pass gate circuit for selectively coupling the ferroelectric capacitor circuit to the Q and complementary Q outputs as called for in claims 102 and 138, an internal drive isolation circuit as called for in claims 109 and 145, J input, k input, first NAND gate, clock signal, second NAND gate as called for in claim 153, J input, k input, first NAND gate, clock signal, second NAND gate and internal drive isolation circuit as called for in claim 162, k input, first NAND gate, clock signal, second NAND gate and a slave JK flip flop as called for in claim 171. Therefore, claims 81-179 are presently allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Lam whose telephone number is 571-272-1744. The examiner can normally be reached on Monday to Friday (7:30 am to 6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIMOTHY P CALLAHAN can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2816

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Tuan T. Lam
Primary Examiner
Art Unit 2816

11/24/2004